FIG. 1

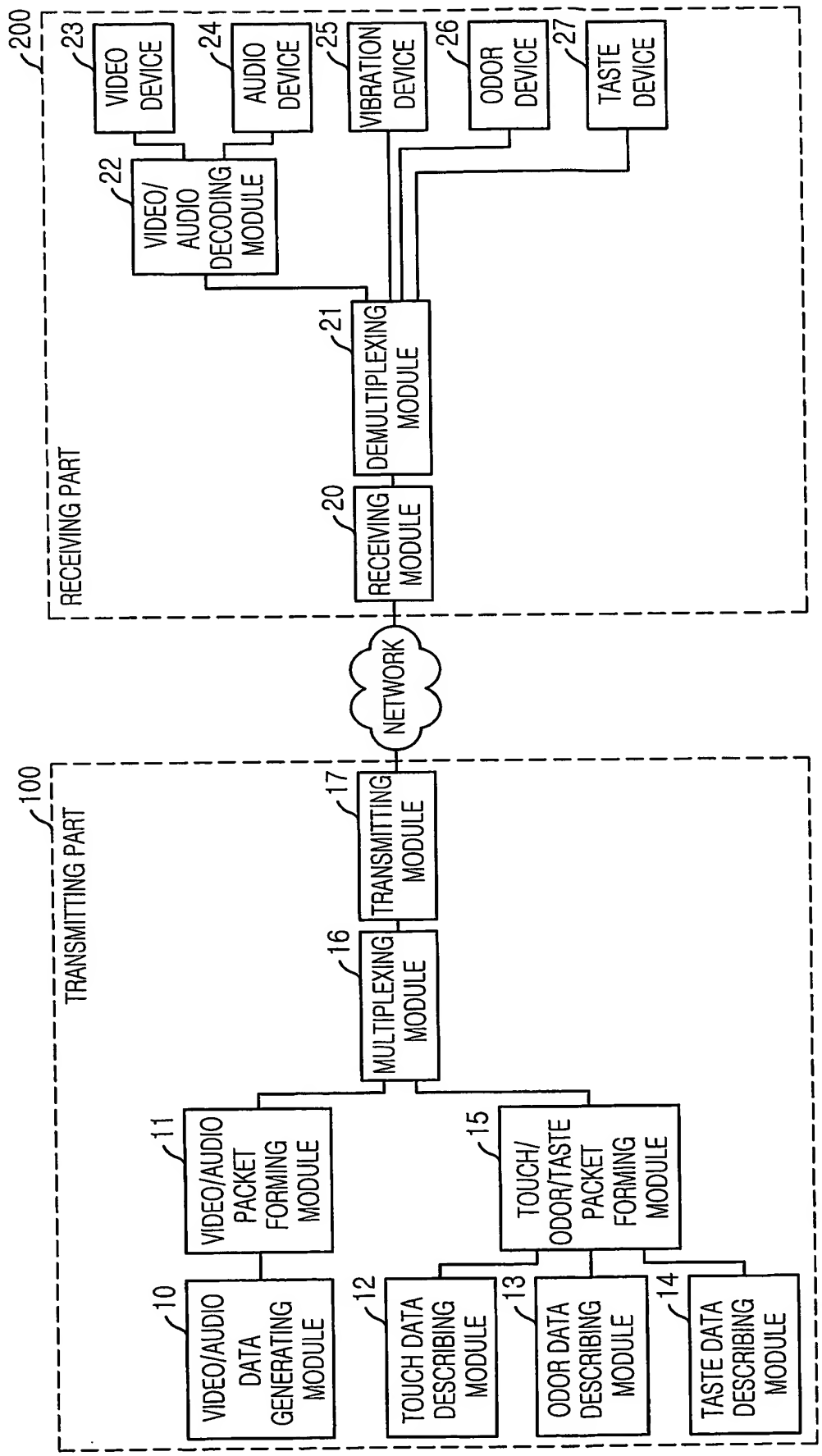

200
RECEIVING PART
23
VIDEO DEVICE
24
AUDIO DEVICE
25
VIBRATION DEVICE
26
ODOR DEVICE
27
TASTE DEVICE
22
VIDEO/ AUDIO DECODING MODULE
21
DEMULTIPLEXING MODULE
20
RECEIVING MODULE
NETWORK
100
TRANSMITTING PART
17
TRANSMITTING MODULE
16
MULTIPLEXING MODULE
11
VIDEO/AUDIO PACKET FORMING MODULE
15
TOUCH/ ODOR/TASTE PACKET FORMING MODULE
10
VIDEO/AUDIO DATA GENERATING MODULE
12
TOUCH DATA DESCRIBING MODULE
13
ODOR DATA DESCRIBING MODULE
14
TASTE DATA DESCRIBING MODULE

FIG. 2A

TouchObjectFlag(1bit): WHETHER TOUCH DATA ARE DESCRIBED
Length(64bits): PACKET SIZE OF TOUCH DATA
X_MoveFlag(1bit): WHETHER RIGHT/LEFT MOVEMENT IS DESCRIBED
Y_MoveFlag(1bit): WHETHER UP/DOWN MOVEMENT IS DESCRIBED
Z_MoveFlag(1bit): WHETHER BACK/FORTH MOVEMENT IS DESCRIBED
MoveDistance(5): DISTANCE OF MOVEMENT
MoveSpeed(5): SPEED OF MOVEMENT
MoveAcceleration(5): ACCELERATION OF MOVEMENT
RotationFlag(1bit): WHETHER RIGHT/LEFT ROTATION IS DESCRIBED
RotationAngle(5): ANGLE OF ROTATION
RotationSpeed(5): SPEED OF ROTATION
RotationAcceleration: ACCELERATION OF ROTATION

FIG. 2B

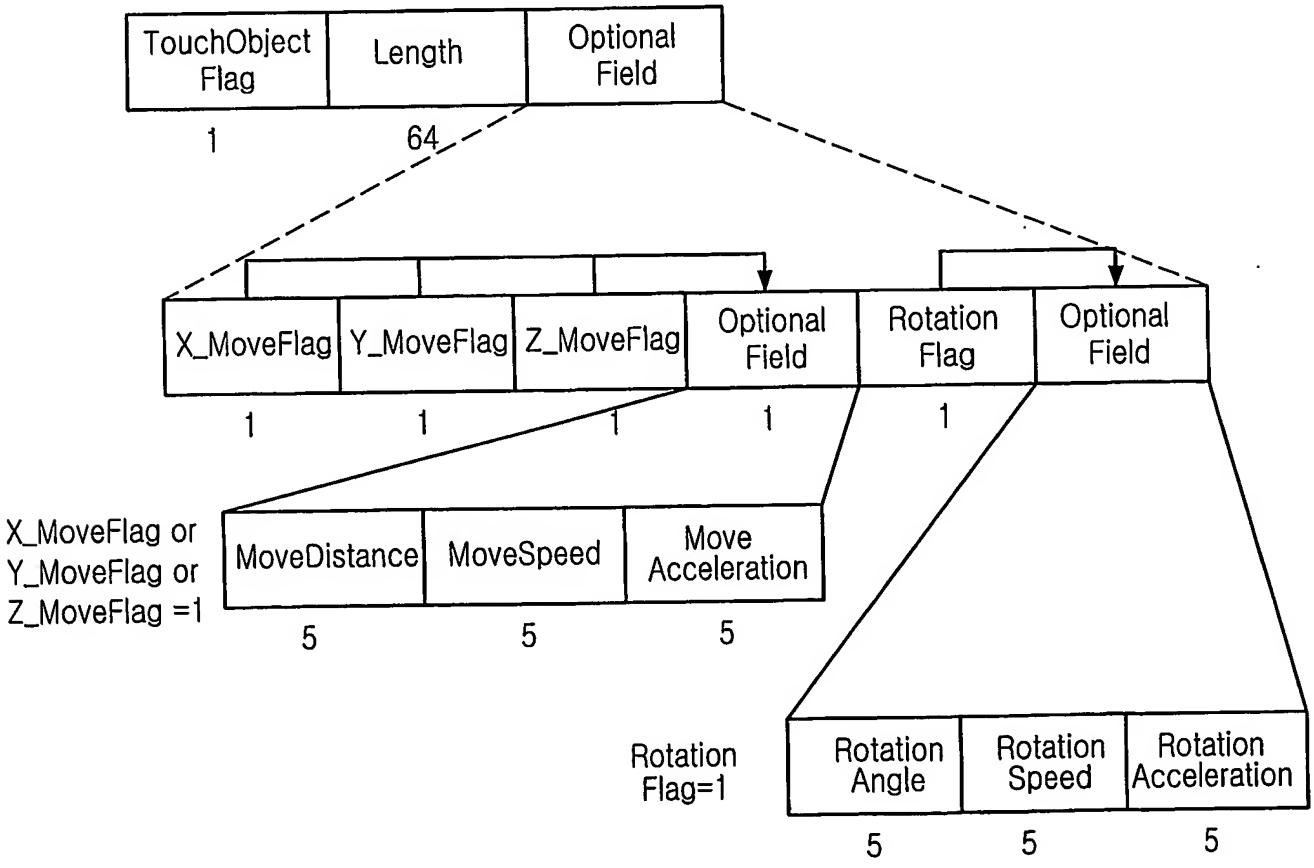


FIG. 3A

SmellObjectFlag(1bit): WHETHER ODOR DATA ARE DESCRIBED
Length(32bits): PACKET SIZE OF ODOR DATA
Type(4bits): KIND OF ODOR
Level(5bits): INTENSITY OF ODOR

FIG. 3B

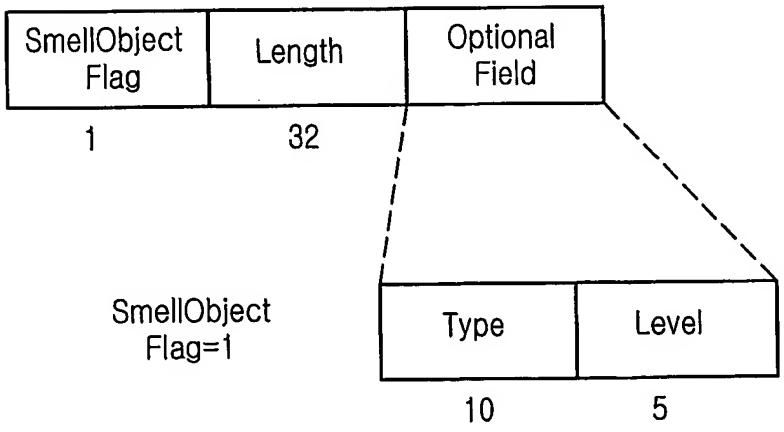


FIG. 4A

TasteObjectFlag(1bit): WHETHER TASTE DATA ARE DESCRIBED
Length(32bits): PACKET SIZE OF TASTE DATA
Type(10bits): KIND OF TASTE
Level(5bits): INTENSITY OF TASTE

FIG. 4B

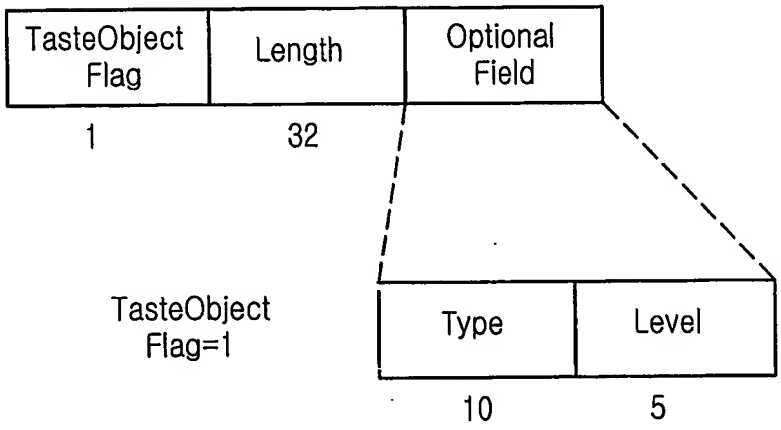
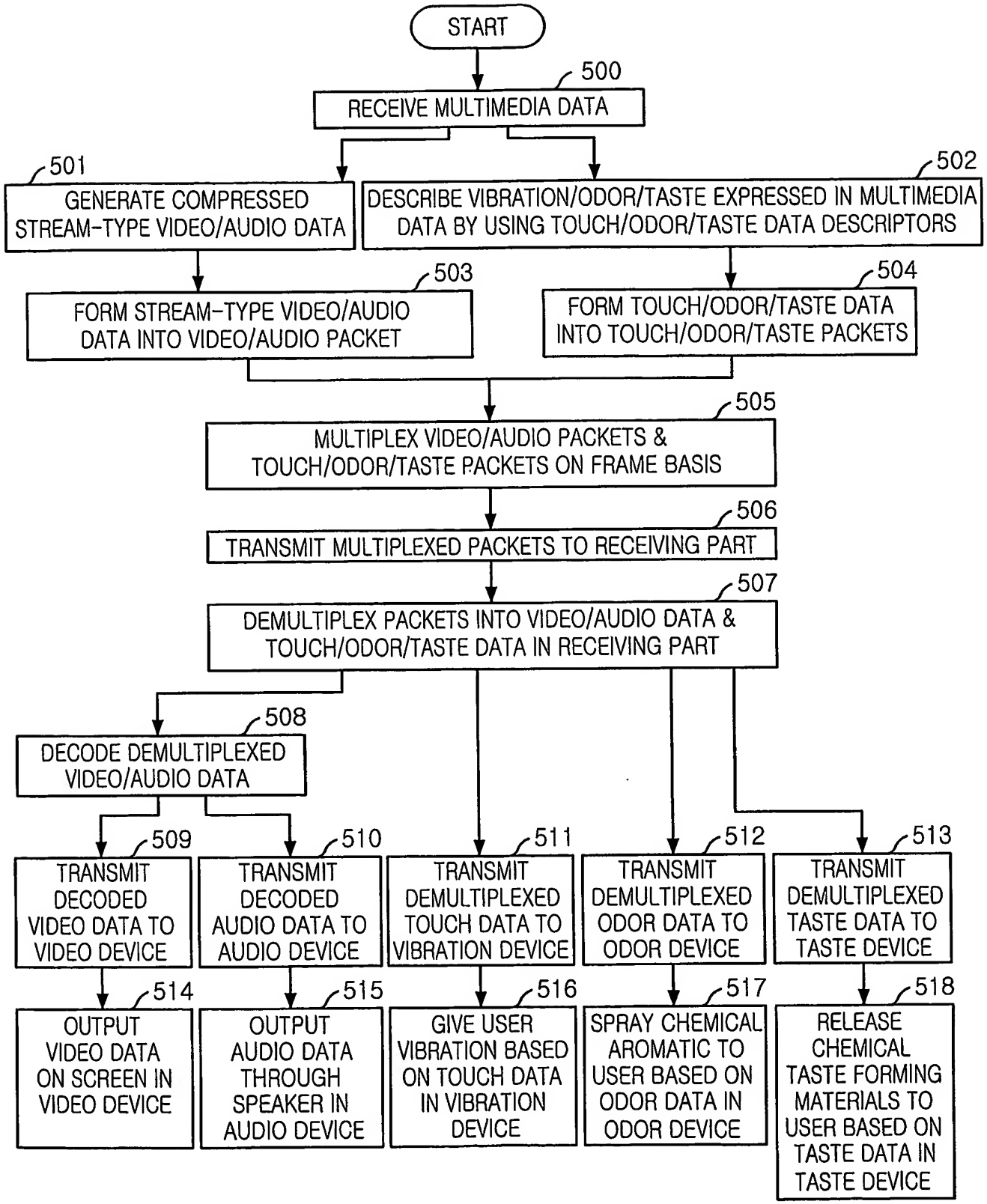


FIG. 5


START
500
RECEIVE MULTIMEDIA DATA
501
GENERATE COMPRESSED STREAM-TYPE VIDEO/AUDIO DATA
502
DESCRIBE VIBRATION/ODOR/TASTE EXPRESSED IN MULTIMEDIA DATA BY USING TOUCH/ODOR/TASTE DATA DESCRIPTORS
503
FORM STREAM-TYPE VIDEO/AUDIO DATA INTO VIDEO/AUDIO PACKET
504
FORM TOUCH/ODOR/TASTE DATA INTO TOUCH/ODOR/TASTE PACKETS
505
MULTIPLEX VIDEO/AUDIO PACKETS & TOUCH/ODOR/TASTE PACKETS ON FRAME BASIS
506
TRANSMIT MULTIPLEXED PACKETS TO RECEIVING PART
507
DEMULTIPLEX PACKETS INTO VIDEO/AUDIO DATA & TOUCH/ODOR/TASTE DATA IN RECEIVING PART
508
DECODE DEMULTIPLEXED VIDEO/AUDIO DATA
509
TRANSMIT DECODED VIDEO DATA TO VIDEO DEVICE
510
TRANSMIT DECODED AUDIO DATA TO AUDIO DEVICE
511
TRANSMIT DEMULTIPLEXED TOUCH DATA TO VIBRATION DEVICE
512
TRANSMIT DEMULTIPLEXED ODOR DATA TO ODOR DEVICE
513
TRANSMIT DEMULTIPLEXED TASTE DATA TO TASTE DEVICE
514
OUTPUT VIDEO DATA ON SCREEN IN VIDEO DEVICE
515
OUTPUT AUDIO DATA THROUGH SPEAKER IN AUDIO DEVICE
516
GIVE USER VIBRATION BASED ON TOUCH DATA IN VIBRATION DEVICE
517
SPRAY CHEMICAL AROMATIC TO USER BASED ON ODOR DATA IN ODOR DEVICE
518
RELEASE CHEMICAL TASTE FORMING MATERIALS TO USER BASED ON TASTE DATA IN TASTE DEVICE